L 33705-66

ACC NR: AR6017248 SOURCE CODE: UR/0058/65/000/012/D045/D045

AUTHOR: Kovaleva, L. T.; Nekrasov, I. Ya.; Arkhipenko, D. K.; Brovkin, A. A.; Grigor'yev, A. P. 34 B

TITLE: Study of minerals of the szaibelyite-sussexite series by infrared spectroscopy and x-ray diffraction methods

SOURCE: Ref. zh. Fizika, Abs. 12D380

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 604-610

TOPIC TAGS: mineral, ir spectroscopy, x ray diffraction study, absorption band

ABSTRACT: The authors studied minerals of the series $M_2B_2O_5()H)_2$-$M_2B_2O_5(OH)_2$. The parameters of the unit cell were calculated for the entire series. A dependence of the parameters, position, and intensity of the absorption bands on the chemical composition is established. The possibilities are discussed of crediting the ir bands to vibrations of the B-O-R^{2+} and OH-Mg, OH-Mn groups. The formula $(Mg, Mn)_2B_2O_5(OH)_2$ is proposed in place of the formula $(Mg, Mn)HBO_3$, since it has been established spectroscopically that the B_2O_5 groups and free OH are present. These singularities are characteristic also of the natural minerals. [Translation of abstract]

SUB CODE: 20, 08/

Card 1/1 Sp

KROVKIN, A.A., inzh.; MIRONOV, G.Ye.

New step by step operating hydraulic lift for lifting heavy loads to a great height. Elek.sta. 32 no.8:74-77 Ag '61. (MIRA 14:10)
(Hydraulic jacks)

BROVKIN, A.A.; ALEKSANDROV, S.M.; NEKRASOV, I.Ya.

X-ray analysis of minerals in the ludwigite-vonsenite series.
Rent.min.syr. no.3:16-34 '63. (MIRA 17:4)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR.

INDOLEV, L.N.; FEDOROV, B.L.; ZHDANOV, Yu.Ya.; BROVKIN, A.A.

Herzenbergite from the Dermitanskoye deposit. Dokl. AN SSSR 159 no.5:1044-1047 D '64 (MIRA 18:1)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom V.I. Smirnovym.

NEKRASOV, I.[illegible] DIMAN, Ye.N.; BROVKIN, A.A.; KOMAR, L.V.

New type of tin mineralization in magnesian skarns in the northeastern part of the U.S.S.R. Geol. rud. mestorozh. 7 no.2:50-62 Mr-Ap '65. (MIRA 18:7)

1. Institut geologii Yakutskogo filiala Sibirskogo otdeleniya AN SSSR.

KOVALEVA, L.T.; NEKRASOV, I.Ya.; ARKHIPENKO, D.K.; BROVKIN, A.A.; GRIGOR'YEV, A.P.; KOMAR, L.V.

Study of the minerals in the series of ascharite-sussexite by infrared spectroscopy and electron diffraction methods. Zhur. strukt. khim. 6 no.1:79-82 Ja-F '65. (MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk i Institut geologii Yakutskogo filiala Sibirskogo otdeleniya AN SSSR, Yakutsk. Submitted October 28, 1963.

Brovkin, D. P.

29978

K voprosu o lyechyenii eklampsii. Sov. myeditsina, 1949, No. 9, s. 22-23.

SO: LETOPIS' NO. 40

BROVKIN, D.P.

Prevention and therapy of eclampsia. Fel'dsher & akush., Moskva no.9: 32-36 Sept 1952. (CIML 23:2)

1. Professor.

BROVKIN, D.P., professor; NIKOLAYEV, A.P., professor, deysvitel'nyy chlen Akademii meditsinskikh nauk SSSR, direktor.

Prevention and therapy of eclampsia. Akush. i gin. no.3:21-26 My-Je '53. (MLRA 6:7)

1. Institut akusherstva i ginekologii. 2. Akademiya meditsinskikh nauk SSSR (for Nikolayev). (Convulsions)

BROVKIN, D.P., prof. (Leningrad)

Postpartum and lactational psychoses. Fel'd i akush 22 no.6:13-16 June '57. (MIRA 12:3)
(PSYCHOSES) (PUERPERIUM)

BROVKIN, D.P., prof. (Leningrad)

Eclampsia. Fel'd. i akush. 22 no.9:14-18 S'57 (MIRA 11:10)
(CONVULSIONS)

BROVKIN, D.P., prof. (Leningrad)

Balanced diet for women during pregnancy as a preventive of eclampsia. Fel'd i akush. 25 no.8:21-27 Ag '60. (MIRA 13:8)
(PREGNANCY, COMPLICATIONS OF) (DIET)

BROVKIN, G.I.

Examples of maximal 3-extensions with two branching points. Izv. AN SSSR Ser. mat. 27 no.3:613-620 My-Je '63. (MIRA 16:6)

(Fields, Algebraic)

BROVKIN, I.P.

Geography - Study and Teaching

Teaching experiences in the sixth grade
Geog. v shkole, no.2, 1952

GLINKA, Nikolay Leonidovich; BROVKIN, K.V., redaktor; LUR'YE, M.S., tekhnicheskiy redaktor

[General chemistry] Obshchaia khimiia. Izd. 8-oe. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1956. 732 p. (MLRA 9:11)
(Chemistry)

BROVIN, L. A.

"Investigation of the Heating of a Solid Metal," Cand Tech Sci, Moscow Order of Labor Red Banner Inst of Steel imeni I. V. Stalin, Min Higher Education USSR, Moscow, 1955. (KL, No 17, Apr 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

Brovkin, L. A.

32-8-19/61

AUTHOR: Brovkin, L. A.,

TITLE: A Simplified Method for Determining the Thermal Conductivity Coefficient of Steel. (Uproshchennoye opredeleniye koeffitsiyenta temperaturoprovodnosti stali)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol.23, Nr 8, pp.929-931 (USSR)

ABSTRACT: This method is based on experimentally proved rules governing the heating of bodies of simple forms (slabs, infinitely long cylinders, spheres). In the process of heating the initial stadium and the fundamental stadium are distinguished. According to the known rules governing the fundamental stadium of heating q=const, or at a uniform steady speed of thermal expansion on the surface of the body v^o/St.=const, it results that the retardation of the rise of temperature in the body depends on the intervals between the control points and on the heat-conductivity coefficient "a". Therefore every determination of the temperature value, in the case of points on the distance $r=r_1$ and $r=r_2$ and of symmetrical heating of the slab, wich was fixed in point $r=r_1$ in the interval of time τ must also be fixed in point $r=r_2$ in the interval of time $\Delta_\tau = \frac{r_1^2 - r_2^2}{2a}$.

In the case of a spherical or cylindrical body the coefficient 2 receives the value 6 resp. 4 in the denominator. It was experimentally proved here that the rules governing the heating of simple bodies may also be applied to the case of heating which is variable

Card 1/2

A Simplified Method for Determining the Thermal Conductivity Coefficient of Steel.

in time. (Examples are given). In the conclusion of the paper it is said that the method proposed here for the determination of the coefficient of thermal conductivity "a" and therefore also of the coefficient of heat conductivity λ (which is proportional to the former) is based on the laws governing the fundamental stadium of heating. This method is simple as well in experimental operation as in the utilization of results which latter sufficiently satisfy the requirements of an accurate calculation. There are 4 illustrations.

ASSOCIATION: Institute for Power Engineering in Ivanovo. (Ivanovskiy energeticheskiy institut)

AVAILABLE: Library of Congress.

Card 2/2

SOV/137-58-12-23980

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 9 (USSR)

AUTHOR: Brovkin, L. A.

TITLE: Analysis of the Melting Process of the Simply Shaped Bodies (Raschet protsessa plavleniya prosteyshikh tel)

PERIODICAL: Izv. vyssh, uchebn. zavedeniy. Energetika, 1958, Nr 2, pp 79-86

ABSTRACT: An analysis is made of the melting of bodies of regular shape (an infinite plate, a cylinder, a ball) at that initial temperature distribution through the mass of the body at which the surface temperature attains the melting point. The analysis is based on the selection of suitable functions of the mean solid-residue temperature of the mass. Correction of the value of this temperature $t_{\tau}^{mean} = t_{m.p.} - [m \Delta t/(m+1)] (r/R^m) \cdot (r/R^p)$ is performed empirically by selection of the coefficient $p=f(r)$. Comparison of the calculated melting time (the fusion criterion K is introduced) by this method and by the M. A. Glinkov method shows that at small K values the calculated times agree, but that when K is large there is a significant difference.

Card 1/1 M M.

BROVKIN, L.A., kand.tekhn.nauk

Method of approximating the heating of a body in a medium varying in temperature. Izv.vys.ucheb.zav.; energ. no.6:100-107 Je '58. (MIRA 11:9)

1.Ivanovskiy energeticheskiy institut.
(Heat--Transmission)

BROVKIN, L.A.

SOROKIN, A.F., doktor tekhn. nauk; BROVKIN, L.A., kand. tekhn. nauk.

"Industrial heat engineering" by P.D. Lebedev, A.A. Shchukin. Reviewed by A.F. Sorokin, L.A. Brovkin. Prom. energ. 13 no.3:39 Mr '58. (MIRA 11:2)
(Heat engineering)
(Lebedev, P.D.) (Shchukin, A.A.)

18(0),24(6)

AUTHOR: Brovkin, L. A.

SOV/163-59-1-18/50

TITLE: Rules Governing the Main Stage of Heating of Solid Bodies (Zakonomernost' osnovnoy stadii nagreva tverdykh tel)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1959, Nr 1, pp 85-91 (USSR)

ABSTRACT: In this study only simple shapes of solid bodies are investigated. For such bodies the temperature field can be expressed as a function of two independent variables, of time τ and space r, i.e. $t = f(r,\tau) = t(r,\tau)$. Such bodies are the sphere, an infinitely long cylinder, and an unbounded plate. The heating is assumed to proceed symmetrically. r is measured from the center of the sphere, from the axis of the cylinder, and from the central plane of the plate. The principal solutions of the differential equation of heat conduction, and the experiments showed, that the heating of a solid body proceeds in two stages: An initial stage and a main stage. In each of these stages the temperature field in the body exhibits certain characteristic features. Experiments were carried out in order to investigate the influence of the time variation of the heat flow heating the body upon the retardation Δt

Card 1/2

(denoting the time required for a given temperature to travel from the center of the body to a point at distance r). The experiments were carried out with a cylinder, a plate, and a hollow cylinder. The method used in these experiments is elucidated with the example of heating a cylinder of quartz sand. The information collected indicates that in bodies of a simple shape, the dimensions of which do not exceed a given quantity R the retardation time Δt is practically independent of the time variation of the heat flow. The rule found experimentally facilitates the calculation of the heating of bodies, in particular, if the function $q(\tau)$ specifying the time variation of the heat flow is given for the boundary conditions. Formula (1) is derived from which the composition of the function $\varphi(t)$ can be determined $t(r = R, \tau) = \varphi(t)$. There are 3 figures and 2 Soviet references.

ASSOCIATION: Ivanovskiy energeticheskiy institut (Ivanovo Institute of Power Engineering)

SUBMITTED: May 12, 1958

66199

SOV/143-59-7-14/20

~~24(6)~~ 24.5200

AUTHOR: Brovkin, L.A., Candidate of Technical Sciences

TITLE: The Heating of Bodies by Radiation in a Medium With Variable Temperature

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1959, Nr 7, pp 97-104 (USSR)

ABSTRACT: The author suggested (Ref.1) an approximate method of calculating the heating of solid bodies. This method is based on the assumption that the time delay of the temperature at an internal point of the body remains constant compared to its heated surface. Further, it is assumed that the magnitude z remains constant during the basic period of heating the body. The author discusses a body of a simple shape, whose temperature field is a function of only two independent variables with symmetrical heating: The distance from the center of a sphere, or the axis of an infinitely long cylinder and the time τ. With convective heat exchange the calculations of the heating process according to this method will produce a better coincidence with analytic solutions

Card 1/3

The Heating of Bodies by Radiation in a Medium With Variable Temperature

of differential heat conductivity equations, the lower the relative change of the heat flow is within time and the smaller the heat resistance is of the body R/λ. In case of radiation heat exchange in a medium with a constant temperature, the heat flow will decrease slower than with convective heat exchange. Consequently, the accuracy of this method must be higher. The simplicity of the method will produce solutions, which are presently not yet possible with other methods. For comparing the results obtained by this method with existing solutions for heating bodies by radiation (which are also approximated), for example with the nomograms of A.V. Kavaderov, only the case $T_c(\tau) = T_c$ is considered. The higher accuracy, compared to other existing methods, is obtained by keeping boundary conditions free of distortions. The author recommends two forms of recording the wanted temperature of a body with radiation heating. The solution (14) is convenient for large values of time τ and for comparatively "heavy" bodies. The solution (17) is intended for small values of τ and for comparatively "thin" bodies, and also in case the

The Heating of Bodies by Radiation in a Medium With Variable Temperature

law of temperature changes of the medium is presented in the form of an algebraic polynomial. The solutions are generalized for heating of bodies of a simple form (plate, cylinder, sphere) and express the temperature of any point of the body as a function of time. The paper was presented at the Kafedra gazopechnoy teplotekhniki (Department of Gas Furnace Heat Engineering). There are 2 graphs and 1 Soviet reference.

ASSOCIATION: Ivanovskiy energeticheskiy institut imeni V.I. Lenina (Ivanovo Power Engineering Institute imeni V.I. Lenin)

SUBMITTED: February 12, 1959

Card 3/3

BROVKIN, L.A.

Effect of the increase in the measured average temperature and heat content of certain isolated bodies in the process of temperature equilization. Inzh.-fiz.zhur. no.5:86-92 My '60. (MIRA 13:8)

1. Energeticheskiy institut, g.Ivanovo.
(Enthalpy) (Temperature—Measurement)

BROVKIN, L. A.

"On Possible Reasons of the Effect of Measured Heat Content Increase of Some Insulated Bodies."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

BROVKIN, L.A.

Error arising in nonstationary methods for determining the thermal coefficients of hygroscopic solids [with summary in English]. Inzh.-fiz. zhur. 4 no.3:127-130 Mr '61. (MIRA 14:8)

1. Energeticheskiy institut im. V.I. Lenina, g. Ivanovo.
(Thermodynamics) (Hydrodynamics)

BROVKIN, L.A.

Determination of the coefficient of thermal diffusivity under quasi-stationary conditions. Zav.lab. 27 no.5:578-581 '61.
(MIRA 14:5)

1. Ivanovskiy energeticheskiy institut imeni V. I. Lenina.
(Heat—Transmission)

BROVKIN, L.A.

"Design of heating furnaces" by E.M.Gol'dfarb and others. Reviewed by L.A.Brovkin. Izv. vys. ucheb. zav.; chern. met. 5 no.9:193-196 '62. (MIRA 15:10)

1. Ivanovskiy energiticheskiy institut.
(Furnaces, Heating) (Kravtsov, A.F.) (Radchenko, I.I.)
(Rozengart, IU.I) (Semikin, I.D.) (Taits, N.IU)

HROVKIN, L.A., kand.tekhn.nauk; DANILOV, B.A., inzh.

Use of liquified gas in cupola furnaces. Sbor.nauch.trud.IEI no.10 pt.2:94-103 '62. (MIRA 16:9)

TROSHIN, P.V., kand.tekhn.nauk, dotsent; FEDOTOV, M.P., inzh.; SOKOLOV, Yu.P., inzh.; BORISOV, B.G., kand.tekhn.nauk; MALKOV, Yu.A., inzh.; SOROKIN, A.F., doktor tekhn.nauk, prof. [deceased]; ZUYEV, A.I., kand.tekhn.nauk; KOPTELOV, Yu.K., kand.tekhn.nauk; YERSHOV, Yu.G., inzh.; BROVKIN, L.A., kand.tekhn.nauk, dotsent; POTOSKUYEV, M.P., kand.tekhn.nauk, dotsent; PYATACHKOV, B.I., kand.tekhn.nauk, dotsent; ROMANOVA, T.M., kand.tekhn.nauk, dotsent

Abstracts of completed research works contracted for the national economy. Sbor. nauch.trud. LEI no.10 [illegible] '62. (MIRA 16:9)

L 54677-65 EWT(1)/EPF(n)-2 Pu-4

ACCESSION NR: AP5011579 UR/0143/65/000/004/0075/0082
536.3:535.34

AUTHOR: Brovkin, L. A. (Candidate of technical sciences, Docent)

TITLE: Error in the calculation of the heating of bodies by radiation by the method of parabolic approximation of thermal-coefficient variation laws.

SOURCE: IVUZ. Energetika, no. 4, 1965, 75-82

TOPIC TAGS: heat radiation, thermal process

ABSTRACT: This is a continuation of an author's earlier work (IVUZ-Energetika, no. 3, 1965). If the true laws of variation of the thermal coefficients C(T) and λ (T) deviate from the cubic-parabola equation, the author's method will entail error. This error will be maximum with constant thermal coefficients; the more the thermal-coefficient value increases with temperature, the better the approximation which will be achieved. The constant-coefficient error is evaluated by comparing the results obtained by the author's method with those of B. V. Stark's

Card 1/2

L 54677-65
ACCESSION NR: AP5011579

formula, the only exact formula used. Also, the same results are compared with those obtained by A. V. Kavaderov ("Thermal operation of flame furnaces," Metallurgizdat, Sverdlovsk, 1956) on a hydrostatic integrator. Orig. art. has: 2 figures, 29 formulas, and 3 tables.

ASSOCIATION: Ivanovskiy energeticheskiy institut (Ivanovo Power-Engineering Institute)

SUBMITTED: 18Feb64 ENCL: 00 SUB CODE: TD, IE

NO REF SOV: 003 OTHER: 000

Cord 2/2

BROVKIN, L.A., kand.tekhn.nauk, dotsent

Analytical calculation of the radiation heating of solid bodies using parabolic approximation of the law of change of thermal coefficients. Izv.vys.ucheb.zav.; energ. 8 no.3:91-95 Mr '65. (MIRA 18:4)

1. Ivanovskiy energeticheskiy institut imeni V.I.Lenina.

L 54543-65 EWT(1)/EWA(h) Peb

ACCESSION NR: AP5015536 UR/0286/65/000/008/0072/0072

11
B

AUTHORS: Zaripov, M. F.; Brovkin, L. A.; Morozov, V. K.

TITLE: Contactless functional device. Class 42, No. 170722

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 72

TOPIC TAGS: function generator 25

ABSTRACT: This Author Certificate presents a contactless functional device made on the basis of a transformer transducer with distributed magnetic permeance. The device contains a pi-shaped magnetic circuit on which is wound a lumped field coil, a measuring coil, and a movable screen. To reproduce an arbitrary function with limited derivative and to simplify its changeover to reproduce other functions, the measuring coil is made in the form of flat coils, the distance between opposite sides of which changes along the coil proportional to the derivative of the function being reproduced. The coils are positioned between the cores of the magnetic circuit on one of which is placed the movable screen in the form of an encompassing core of a short-circuited coil.

ASSOCIATION: none

Card 1/2

L 54543-65
ACCESSION NR: AP5015536

SUBMITTED: 15Jan64 ENCL: 00 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

Card 2/2

BROVKIN, L.A., kand.tekhn.nauk, dotsent

Error in the calculation of radiational heating of bodies using a method involving parabolic approximation of the laws of the variation of thermal coefficients. Izv.vys.ucheb.zav.; energ. 8 no.4:75-82 Ap '65. (MIRA 18:4)

1. Ivanovskiy energeticheskiy institut imeni V.I.Lenina.

BAZHENOV, A.P., kand. tekhn. nauk, dots., red.; BROVKIN, L.A., kand. tekhn. nauk, dots., red.; ROMANOVA, T.M., kand. tekhn. nauk, dots., red.; TROSHIN, P.V., kand. tekhn. nauk prof., red.; SEMEIN, V.M., kand. tekhn. nauk, dots. red.;

[Heat and mass transfer in industrial systems] Teplo-i massoobmen v promyshlennykh ustanovkakh; tematicheskii sbornik. Yaroslavl', 1964. 86 p. (MIRA 18:12)

1. Ivanovo. Energeticheskiy institut.

L 13610-66 EWT(1)/EWA(h)

ACC NR: AP6002976 SOURCE CODE: UR/0286/65/000/024/0152/0152

INVENTOR: Gashpar, E. M.; Kulikovskiy, L. F.; Zaripov, M. F.; Brovkin, L. A.

ORG: none

TITLE: Multiple-turn contactless a-c potentiometer. Class 74, No. 177302

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 152

TOPIC TAGS: potentiometer, ac potentiometer, contactless potentiometer

ABSTRACT: The Author Certificate introduces a multiple-turn contactless a-c potentiometer containing fixed and moving magnetic circuits with a two-section measuring winding and excitation windings (see Fig. 1). To increase the linearity of its static

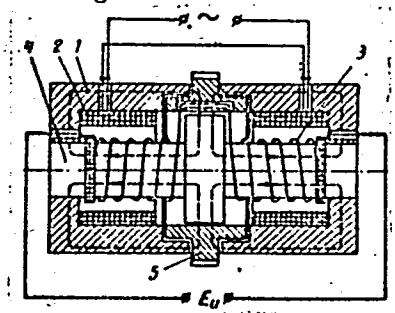

Fig. 1. Contactless a-c potentiometer

1 - Fixed magnetic circuit; 2 - excitation winding; 3 - measuring winding; 4 - fixed magnetic circuit; 5 - moving circular magnetic circuit.

Card 1/2 UDC: 621.317.727.1

L 13610-66

ACC NR: AP6002976 0

characteristics, to reduce the weight of the moving parts, and to improve its protection against the action of external magnetic fields, the two-section measuring winding is made in the form of a current conducting spring differentially wound on the fixed magnetic circuit; the moving magnetic circuit is made in the form of a ring to which the joined terminals of the measuring winding are attached. Orig. art. has: 1 figure. [JR]

SUB CODE: 09/ SUBM DATE: 17Feb64/ ATD PRESS: 4186

jw

Card 2/2

ACC NR: AT6023379 (N) SOURCE CODE: UR/0000/65/000/000/0038/0043

AUTHOR: Brovkin, L. A. (Kuybyshev)

ORG: none

TITLE: Self regulating devices based on contactless regulator elements

SOURCE: Veseoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy. 5th. Novosibirsk. 1963. Avtomaticheskiy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii. t. I: Metody elektricheskikh izmereniy. Tsifrovyye izmeritel'nyye pribory. Elementy izmeritel'nykh sistem (Automatic control and electrical measuring techniques; transactions of the conference. v.1: Electrical measuring techniques. Digital measuring instruments. Elements of measuring systems). Novosibirsk, Izd-vo Nauka, 1965, 38-43

TOPIC TAGS: precision potentiometer, contactless potentiometer,. brushless potentiometer

ABSTRACT: A new contactless linear taper potentiometer (Fig. 1) is described. It is made by printing the secondary winding conductors along the epoxy material surface and either including the excitation windings on the movable ferromagnetic core or also printing them as shown. This potentiometer construction is claimed to increase their accuracy and reliability and because of uniform characteristics makes them readily interchangeable. Inherent to the construction is unlimited resolution, linearity stability, and low contact noise. A series of these potentiometers was tested with the following results: Characteristic nonlinearity did not exceed 0.1%,

Card 1/2

ACC NR: AT6023379

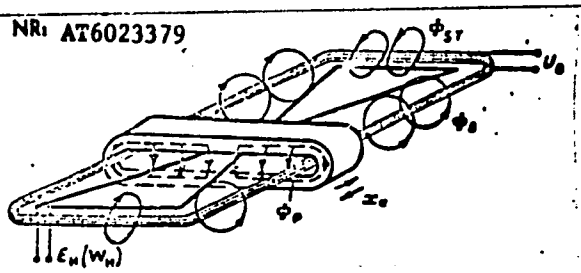

Fig. 1 Contactless linear potentiometer with non-movable excitation windings.

characteristic nonuniformity for different potentiometers was less than 0.1%, residual voltage was under 4μV. To guard against external magnetic fields, the secondary winding is made in the form of two triangles with a common apex. If additional safeguard against disturbances is necessary, the unit should be shielded. Orig. art. has: 5 formulas and 3 figures.

SUB CODE: 14/ SUBM DATE: 20Sep65/ ORIG REF: 003

Card 2/2

BROVKIN, L.A.

Determining the thermal coefficients in the initial period of heating of a specimen, taking as a basis the laws governing the quasi-stationary regime. Zav.lab. 31 no.10:1193-1196 '65.
(MIRA 19:1)

1. Ivanovskiy energeticheskiy institut imeni Lenina.

GLINKA, Nikolay Leonidovich; BROVKIN, L.V., red.; LUR'YE, M.S., tekhn.red.; POGUDKIN, P.V., tekhn.red.

[General chemistry] Obshchaia khimiia. Izd.9. Moskva, Gos. nauchno-tekhn.izd-vo khim.lit-ry, 1958. 732 p. (MIRA 14:1)

(Chemistry)

BRUDZ', V.G.; USKOVA, L.Ye.; NOVKOVSKAYA, N.A.; POSLAVSKAYA, K.D.; RAKOVSKAYA, V.A.; PETROVA, G.D.; BROVKIN, L.V., red.; SHPAK, Ye.G., tekhn. red.

[Manual of technical specifications for reagents and preparations used in laboratory work; organic reagents and preparations] Sbornik tekhnicheskikh uslovii na reaktivy i preparaty dlia laboratornykh rabot; organicheskie reaktivy i preparaty. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry. 1961. 582 p. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimreaktivov i osobo chistykh veshchestv Gosudarstvennogo komiteta Soveta Ministrov SSSR po khimii (for all except Brovkin, Shpak).
(Chemical tests and reagents)

GLINKA, Nikolay Leonidovich; BROVKIN, L.V., kand. khim. nauk, red.

[General chemistry] Obshchaia khimiia. Izd.12. Moskva, Khimiia, 1965. 688 p. (MIRA 18:3)

GLINKA, Nikolay Leonidovich; ERCVKIN, L.V., red.

[Problems and exercises in general chemistry] Zadachi i uprazhneniia po obshchei khimii. Izd.14. Moskva, Khimiia, 1965. 254 p. (MIRA 18:3)

BROVKIN, L.V., red.

[Handbook of technical specifications for chemical reagents; organic reagents] Sbornik tekhnicheskikh uslovii na khimicheskie reaktivy; organicheskie reaktivy. Moskva, Khimiia, 1965. 230 p. (MIRA 18:11)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh reaktivov i osobo chistykh veshchestv.

BORISOV, V.I.; LEVIT, Z.Yu., inzh.; KALININ, V.Z., inzh.; BROVKIN, M.G., inzh.; AGAL'TSOV, N.V., inzh.; ZHIGACHEVA, T.F., inzh.; LOBANOV, V.S., inzh.; ALIMOV, M.F., inzh.; VIKSMAN, I.M., inzh.; LAZAREV, V.Ya., inzh.; ZALEVSKAYA, L.V., tekhnik; SHCHETVINA, R.F., tekhnik; SOKOLOVSKIY, I.A., red.; SHALAGINOV, A.A., vedushchiy red.

[Special and basic equipment of mechanical assembly shops in instrument plants] Nestandartnoe oborudovanie i orgosnastka mekhanicheskikh sborochnykh tsekhov priborostroitel'nykh zavodov. Moskva, Otdel nauchno-tekhn. informatsii, 1959. 158 p.

(MIRA 15:4)

(Instrument industry—Equipment and supplies)

YUR'YEV, V.N., starshiy inzh.-tekhnolog; BROVKIN, M.N., starshiy tekhnik

Cleaning of woolen fuel filter plates. Elek. i tepl. tiaga 6 no.11:24 N '62. (MIRA 16:1)
(Diesel locomotives--Fuel systems)

BROVKIN, N.

Products from corn sugar molasses. Mest.prom.i khud.promys. 3 no.2:18 F '62. (MIRA 15:2)

1. Nachal'nik otdela pishchevoy promyshlennosti oblmestproma, Penza. (Penza—Molasses)

BROVKIN, N. I.

AID P - 4771

Subject : USSR/Aeronautics - bibliography

Card 1/1 Pub. 135 - 29/31

Author : Brovkin, N. I., Eng.-Col.

Title : Supplement to a critical review

Periodical : Vest. vozd. flota, 8, 94, Ag 1956

Abstract : The author makes some supplementary notes to the critical review (in Vest. Vozd. Flota No. 10, 1955) of the book Letchiku o Meteorologii (Meteorology for Pilots) by I. V. Kravchenko.

Institution : None

Submitted : No date

POVOLOTSKIY, M.Ye., inzh.; KORYAGIN, V.F., inzh.; BROVKIN, S.D., inzh.

Special features in the design of large explosionproof short-circuited asynchronous motors. Elektrotekhnika 35 no.11:52-54 N '64. (MIRA 18:6)

SHCHERBATENKO,V.V., inzhener; SMOLINA.N.I., kandidat tekhnicheskikh nauk; MIKULINSKAYA,L.R., kandidat tekhnicheskikh nauk; BROVKIN, S.I., inzhener

Methods of reducing loss in bakery product output. Standartizatsiia no.3:58-63 My-Je '55. (MLRA 8:10)
(Baking)

BROVKIN, S.I.

Group standards are needed in the bakery industry. Standartizatsiia no.3:81 My-Je '55. (MLRA 8:10)

1. Zamestitel' nachal'nika tekhnicheskogo upravleniya Ministerstv promyshlennosti prodovol'stvennykh tovarov
(Baking--Standards)

Brovkin, S.I.

BROVKIN, S.I.

For further advances in the baking industry. Khleb. i kond. prom. 1 no.9:1-2 S '57. (MIRA 10:11)

(Bakers and bakeries)

BROVKIN, S.I.

AUTHOR: Brovkin, S.I., Engineer 28-5-9/30

TITLE: Ways of Further Improvement in the Quality of Food Products (Puti dal'neyshego uluchsheniya kachestva prodovol'stvennykh tovarov)

PERIODICAL: Standartizatsiya, 1957, # 5, p 39-42 (USSR)

ABSTRACT: The article gives a general review of Soviet food production, stressing the progress made since 1918.

Thirty scientific research institutes and laboratories develop standards and technical conditions for all food industry branches; there are 1,200 such standards and conditions for more than 99 % of the entire production.

The new equipment of sugar mills, oil mills and bread factories is mentioned. It is pointed out that foreign confectionary production has no mechanized production lines as are used at many Soviet factories. The new tobacco production technology, with pneumatic plucking and moistening will bring an improvement in the quality of cigarettes. The new equipment introduced during the past years in the wine industry has enabled standardization in this branch, where the technical level was low until now.

Card 1/2 By the decree of 2 March 1957 of the Minister Council of

Ways of Further Improvement in the Quality of Food Products 28-5-9/30

the USSR, the minister councils of the Union republics are entitled to establish compositions, technical conditions, standards and retail prices for many food products and technical goods.

The article contains a photograph of a dough-kneading machine.

ASSOCIATION: Gosplan SSSR (Gosplan of the USSR)

AVAILABLE: Library of Congress

Card 2/2

BROVKIN, S.I.

Most important means for increasing the production of starch products. Sakh. prom. 33 no.4:62-63 Ap '59. (MIRA 12:6)

1. Gosplan SSSR.

(Starch industry)

SHCHERBATENKO, V.V.; GOGOBERIDZE, N.I.; ZEL'MAN, G.S.; BROVKIN, S.I., red.

[Preservation of bread freshness] Sokhranenie svezhesti khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 59 p. (MIRA 17:8)

PLOTNIKOV, P.M.; KARAMSKAYA, L.N.; BESPALOVA, G.I.; BEZRUCHENKO, L.I.; KRASIL'NIKOVA, Yo.Ye.; SHCHERBACH, V.A.; BROVKIN, S.I., spets. red.

[Use of liquid intermediate products in the making of wheat flour bread] Primenenie zhidkikh polufabrikatov pri proizvodstve pshenichnykh sortov khleba. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1963. 39 p. (MIRA 18:5)

SHVARTS, Vladimir Mikhaylovich; BROVKIN, S.I., kand.tekhn. nauk retsenzent; VINOGRADOV, N.V., prof., doktor ekon. nauk, red.; KRUGLOVA, G.I., red.

[Zones of raw materials for the food industry] Syr'evye zony pishchevoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1965. 95 p. (MIRA 18:12)

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 60 (USSR) SOV/137-59-1-479

AUTHOR: Brovkin, V.G.

TITLE: Extraction of Cobalt From Sulfidic Cu-Ni Ores (Izvlecheniye kobal'ta iz sul'fidnykh medno-nikelevykh rud)

PERIODICAL: Materialy Soveshchaniya po vopr. intensifik. i usoversh. dobychi i tekhnol. pererabotki medno-nikelevykh i nikelevykh rud. 1956 g. Moscow, Profizdat, 1957, pp 174-179

ABSTRACT: A continuous process of electrical smelting of liquid converter slags (SL) produced during blowing of Co- and Ni-containing mattes was developed and tested under shop conditions. The SL is poured into the furnace together with coke and a sulfidic Cu-Ni ore or ore-smelting matte. During smelting the molten mass is covered with a coke layer 50-70 mm thick. The process yields a metallized Cu-Ni matte (~20% S, which corresponds to ~25% of metallic Fe) rich in Cu; no stratification of the SL nor segregation of a solid phase from it was observed, neither was any scum formed on the bottom of the hearth. The SL accounted for 700-900 mm of the over-all depth of the molten mass. The SL was maintained at a temperature of

Card 1/2

Extraction of Cobalt From Sulfidic Cu-Ni Ores SOV/137-59-1-479

1350-1400°C, the matte at 1250-1300°. During experimental smelting the consumption of coke amounted to 4%, the weight of the matte poured into the furnace constituted 28.7% of the weight of the SL; the specific consumption of electricity amounted to 200 kwh/ton of S (during smelting of 300-550 tons/day of SL). 80% Co, 95% Ni, 85% Cu were extracted from the SL into the matte. The matte obtained contained 9.35% Ni, 7.8% Cu, 0.75% Co, 55% Fe, and 20.9% S. The Co content in the final SL's diminished to 0.04-0.11%, the average value being 0.06%.
Ref. RZhMet, 1958, Nr 5, abstract 9290.

Ye. Z.

Card 2/2

137-58-5-9290

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 72 (USSR)

AUTHOR: Brovkin, V.G.

TITLE: Cobalt Extraction by Means of Pyrometallurgy of Sulfide Copper-nickel Ores (Izvlecheniye kobal'ta v pirometallurgii sul'fidnykh medno-nikelevykh rud)

PERIODICAL: Byul. Tsentr. in-t inform. M-va tsvetn. metallurgii SSSR, 1957, Nr 5, pp 20-25

ABSTRACT: The method of processing liquid converter slags was investigated. Optimal conditions for continuous processing of such slags from Cu-Ni production may be obtained if the slag bath and the matte are, respectively, 700-900 mm and 500 mm deep, the temperature of the slag is 1350-1400°C, the temperature of the matte is 1250-1300°, and the S content of the metallized matte is 20%. The proportion in which the Co in the hearth of the furnace is divided between the slag and the matte is determined primarily by the equilibrium of the reaction of the displacement of Co from the slag compound by metallic Fe from the matte. Starting at 1300°, the slag composition being constant, the Co constant of the slag decreases with decreasing

Card 1/2

Cobalt Extraction by Means of (cont.)

content of S in the matte; this condition is most pronounced when the content of S is reduced to 20%. As the amount of Ni and, particularly, Cu contained in the matte is increased, the Co content of the slag increases also. In tests under shop conditions, the extraction of Co from liquid converter slags into matte amounted to 80%. When processing 300-350 t of slag daily, the specific power consumption never exceeded 200 kwh/ton; this figure is equivalent to 1/4 or 1/5 of the amount of energy consumed in electrosmelting of solid slags. The method described reduces the cost of Co by one-third to one-half.

G.S.

1. Cobalt--Production 2. Slags--Processing 3. Copper-nickel ores--Processing

Card 2/2

[illegible], [illegible], Cand Tech Sci -- [illegible] "Study [illegible] xx
[illegible] on of [illegible] ."
[illegible], 19[illegible]. 14 pp, ([illegible] of Higher [illegible] USSR, [illegible]
[illegible]), 150 copies ([illegible])

[illegible]

BROVKIN, V.G.; PALYSAYEV, M.P.; SLOBODIN, Yu.A.; CHETVERTKOV, M.S.

Materials and heat balances in the electric smelting of copper-nickel sulfide ores in 30,000 kva electric furnaces. Tsvet. met. 38 no. 12:34-40 D '65 (MIRA 19:1)

OSTAPENKO, N.B.; KURNYACHEV, A.I.; SLOVKIN, V.M.

Effect of centration of the drilling string on the efficiency of diamond drilling. Razved. i okh. nedr 30 no.9:53-54 S '64. (MIRA 17:12)

1. Tul'skaya kompleksnaya tematicheskaya ekspeditsiya.

ANAN'IN, Anatoliy Andreyevich; BRILAKH, Mikhail Mikhaylovich; CHERNOBROVKIN, Viktor Petrovich; FILIPPOV, A.S., kand.tekhn.nauk, retsenzent; MAKURIN, P.I., kand.tekhn.nauk, retsenzent; LUZIN, P.G., inzh., retsenzent; ZIMIN, V.M., inzh., retsenzent; DUGINA, N.A., tekhn.red.

[Cupola furnace operator] Vagranshchik. Izd.2., dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 175 p. (MIRA 12:12)

(Cupola furnaces)

BROVKIN, Ya.

Central pumping system for filling crankcase of vertical ammonia compressors. Khol. tekh. 35 no. 3:56 My-Je '58. (MIRA 11:7)
(Compressors)
(Lubrication and lubricants)

25(2)

SOV/66-59-4-16/28

AUTHOR: ~~Brovkin, Ye.~~

TITLE: Replacement of Flat Belts by V-Shaped Belts

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 4, p 56 (USSR)

ABSTRACT: The "Kompressor" Plant used to supply up to the present evaporators, stirrers of which are driven by electric motors by means of flat belts. To eliminate a number of inconveniences connected with flat belting, these had been replaced on the refrigeration installations in the plant of the author by V-shaped belts of the brand V-3200. The flat pulleys on the electric motors were replaced by grooved pulleys, while the flat pulleys on the stirrers were retained. The electric motor was equipped with a belt tension regulating device.

Card 1/1

14(1)

SOV/66-59-4-17/28

AUTHOR: Brovkin, Ye.

TITLE: Filtration of Brine, Used as Refrigerant

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 4, p 57 (USSR)

ABSTRACT: In ammonia refrigeration installations an aqueous solution of calcium chloride is used as heat carrier, which is alkalized in order to reduce corrosion of tubes and machine parts. Nevertheless pollution of the brine occurs, mainly from ferric oxide, which accumulates and clogs the installation, thereby interfering with the heat exchanging process. The only effective means against pollution of brine appears to be the filter press produced by the Poltavskiy mekhanicheskiy zavod (Poltava Machinery Plant), which has a filtering surface of 3 m^2. As filtering medium a cotton cloth named "belting" is used.

Card 1/1

14(10)
AUTHORS: Brovkin, Ye. A., Sushintsev, Ye. V.

SOV/67-59-4-12/19

TITLE: Stainless Steel Bushes for the Compressor 2RK-1.5/220

PERIODICAL: Kislorod, 1959, Nr 4, p 45 (USSR)

ABSTRACT: One of the main drawbacks in this compressor is the rapid wear of the bushes. In the authors' experience, stainless steel bushes of the type 1Kh18N9 are subject to much less wear than are the bronze bushes which the factory uses for the compressor.

Card 1/1

ZARKHI, I.G., inzhener; BROVKIN, Ye.P., inzhener

Experience in designing reinforced concrete power poles. Transp.strei. 6 no.7:13-15 Jl '56. (MLRA 9:10)
(Electric lines--Poles)

SHEKHTER, I.A. (Moskva, A-57, Novopeschanaya ul., d.3, kv.46); BROVKINA, A.F.

Angiographic examination in vascular tumors of the orbit. Vop. onk. 10 no.4:3-8 '64. (MIRA 17:11)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. I.A. Shekhter) Moskovskogo meditsinskogo stomatologicheskogo instituta rektor - dotsent G.N. Beletskiy) i iz Moskovskoy glaznoy klinicheskoy bol'nitsy (glavnyy vrach - I.A. Lyubchenko, nauchnyy rukovoditel' - zasluzhennyy deyatel' nauki prof. M.L. Krasnov);

[illegible], [illegible]

[illegible] X-ray irradiation for the resorption of crystalline lens substance. Med. rad. 10 no.7:53-56 Jl '65. (MIRA 18:9)

1. Moskovskaya glavnaya klinicheskaya bol'nitsa (glavnyy vrach [illegible], nauchnyy rukovoditel' - prof. M.L.Krasnov).

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000307020020-7"

KRASNOV, M.L., prof.; [illegible]; BROVKINA, A.F.; ZIANGIROVA, G.G.

Results of radioisotope diagnosis of tumors of the orbit. Trudy TSIU 71:[illegible]-118 [illegible]. (MIRA 18:6)

1. Kafedra glaznykh bolezney [illegible] prof. M.L. Krasnov) i kafedra meditsinskoy radiologii [illegible] prof. V.G. Molevich[illegible] TSentral'nogo instituta usovershenstvovaniya [illegible] Moskovskaya glavnaya klinicheskaya bol'nitsa.

BROVKINA, A I

PAVLOV, A.N., otv. za vypusk; VOLODICHEVA, V.N.; IVANOVA, A.I.; KULAKOV, I.N.; LYAMINA, T.N.; MIT'KINA, L.I.; POZDNYAKOVA, N.P.; RODIONOVA, L.I.; ROMANOVA, N.M.; SOFIYEV, E.S.; CHICHKINA, A.A.; TRESORUKOVA, Z.G.; BOGATYREV, P.P.; BROVKINA, A.I.; IVANOVA, L.D.; IVASHKIN, G.A.; KAMNEV, N.I.; LYSANOVA, L.A.; OZHERKL'YEVA, Z.I.; PAVLOVA, T.I.; TYUTYUNOVA, N.I.; UMNITSYNA, A.P.; ZHIVILIN, N.N.; ALESHICHEV, M.P.; VINOGRADOV, V.I.; YEREMIN, F.S.; KRAVCHENKO, Ye.P.; LOVACHEVA, M.V.; NIKOL'SKAYA, V.S.; MAKHOV, G.I.; SKEGINA, A.V.; TAREYEV, A.V.; KHOLINA, A.V.; BRYANSKIY, A.M.; BURMISTROVA, V.D.; GRIGOR'YEVA, A.M.; LUTSENKO, A.I.; ORKHOVA, Z.V.; TEPLINSKAYA, N.V.; FEOKTISTOVA, V.I.; BUTORIN, I.M.; BOCHKAREVA, L.D.; BURENINA, V.A.; VETUSHKO, A.M.; VIKHLYAYEV, A.A.; SOROKIN, B.S.; TSYBENKO, L.T.; KHLEBNIKOV, V.N.; DUMNOV, D.I.; STEPANOVA, V.A.; MANYAKIN, V.I., red.; VAKHATOV, A.M.; MAKAROVA, O.K., red.izd-va; PYATAKOVA, N.D., tekhn.red.

[Soviet agriculture; a statistical manual] Sel'skoe khoziaistvo SSSR; statisticheskii sbornik. Moskva, 1960. 665 p.
(MIRA 13:5)

1. Russia (1923- U.S.S.R.) TSentral'noye statisticheskoye upravleniye. 2. Upravleniye statistiki sel'skogo khozyaystva TSentral'nogo statisticheskogo upravleniya SSSR (for all except Makarova, Pyatakova).

(Agriculture--Statistics)

USSR/Chemistry - Phosphorus Compounds Nov 52

"The Relation of the Rate of Reaction, in the Hydration of Metaphosphoric Acids, to the Temperature," I. A. Brovkina, Chair of Chem, Moscow Aviation Inst im S. Ordzhonikidze

"Zhur Obshch Khim" Vol 22, No 11, pp 1917-1926

To confirm the theory of Yu. V. Khodakov regarding the hydration of phosphoric anhydride and phosphoric acids, a study was made of the hydration rates of the reaction of trimeta-phosphate (I) and tetrametaphosphate (II) ions to an alkaline or acid medium at different temps. On the basis of the expt1 data, the consts of the rates of these reactions were calcd. Under identical conditions, the hydration reaction of I went approx 16 times faster than the hydration reaction of II. With an identical normality of solns, it was shown that the hydration reaction of II proceeds approx 12 times faster in an acid medium than in an alkaline medium. On the basis of the expt1 data, the energies of activation of the hydration reactions of I in an alkaline medium, and of II in both an alkaline and acid medium were calcd. It was established that the energy of activation of the given metaphosphates was approximately of the same order. The reactions of hydration of I and II, both in an alkaline and acid medium, were shown to be monomolecular. The relation of the rates of reaction of the hydration of I and II to the temp was found, and shown graphically.

238T23

BROVKINA I. A.

MYASOYEDOV, Ye.S.; BORSHCHEV, K.G.; YELISEYEVA, A.M.; LOPATIN, B.S.; ADEL'SON, Ye.N.; BROVKINA, M.A.; PAIMTSEVA, T.D.

Lowering the incidence of angina and rheumatic fever under the conditions of the cotton spinning and weaving industry. Sov.med. 25 no.5:114-120 My '62. (MIRA 15:8)

1. Iz kafedr gospital'noy terapii (zav. - prof. Ye.S.Myasoyedov), fakul'tetskoy terapii (zav. - prof. A.M.Yeliseyeva), bolezney ukha, gorla i nosa (zav. - prof. K.G.Borshchev) Ivanovskogo gosudarstvennogo meditsinskogo instituta (dir. - dotsent Ya.M.Romanov) i mediko-sanitarnoy chasti Melanzhevogo kombinata (glavnyy vrach T.D. Paimtseva).

(RHEUMATIC FEVER) (STREPTOCOCCAL INFECTIONS) (TONSILS--DISEASES) (TEXTILE WORKERS--DISEASES AND HYGIENE)

MYASOYEDOV, Ye.S., dotsent; BROVKINA, M.A., assistent; SMIRNOVA, T.D., klinicheskiy ordinator; MIRONOVA, M.S., klinicheskiy ordinator

An analysis of errors in diagnosing rheumocarditis outside of the hospital. Sov.med. 20 no.12:6-8 D '56. (MLRA 10:1)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav. - dotsent Ye.S. Myasoyedov) Ivanovskogo meditsinskogo instituta (dir. dotsent Ya.M. Romanov)

(RHEUMATIC HEART DISEASE, diag. errors)

KOZYREVA, Z.M.; NAGDASEVA, I.P.; BROVKINA, N.A.

Studying the properties of some types of cord fabrics during one-time and repeated stretching. Kauch. i rez. 22 no.9: 38-41 S '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.

GONCHAROVA, M.N., prof., BROVKINA, T.A.

Late results of open reduction of congenital dislocations of the hip in children. Ortop.travm. i protez. 19 no.5:33-38 S-O '58 (MIRA 11:12)

1. Iz nauchno-issledovatel'skogo Detskogo ortopedicheskogo instituta imeni G.I. Turnera (dir. - prof. M.N. Goncharova).
(HIP, disloc.
congen. in child., open reduction, remote results (Rus))

BROVKINA, T.A.

Early detection and early treatment of congenital dislocation of the hip in children. Ortop.travm.i protez. 20 no.4:6-11 Ap '59. (MIRA 13:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G.I. Turnera, dir. prof. M.N. Goncharova.
(HIP, disloc.
congen., early diag. & ther. (Rus))

BROVKINA, T. A., Cand. Med. Sci., — (diss), "Earlier appearance and treatment of Leningrad children with congenital dislocation of the hips," Leningrad, 1961, 15 pp (First Leningrad Medical Institute im Acad. I. P. Pavlov), 300 copies, (KL Supp 9-61, 188)

BROVKINA, T. A.

Treatment of fractures of both bones of the forearm in children. Ortop., travm. i protez. 22 no.8:20-22 Ag '61.
(MIRA 14:12)

1. Iz travmatologicheskogo otdeleniya (zav. - prof. G. Ya. Epshteyn) Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G. I. Turnera (dir. - prof. M. N. Goncharova)

(ARM--FRACTURE)

BROVKINA, T. A.

Surgical treatment in a case of acquired radial manus vara. Ortop., travm. i protez. no.1:73-75 '62. (MIRA 15:2)

1. Iz travmatologicheskogo otdeleniya (zav. - prof. G. Ya. Epshteyn). Nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G. I. Turnera (dir. - prof. M. N. Goncharova). Adres avtora: Leningrad 136, Lakhtinskaya ul., d. 10/12, Institut im. G. I. Turnera.

(HAND—ABNORMITIES AND DEFORMITIES)

BROVKINA, T. F., PLAKSIN, I. N. and KHACHINSKAYA, G. N.

"The problem of the floatagility of zinc blende", IAN/OTN, pp 681-90, 1948.

NOTE: See card for PLAKSIN, I. N. for abstract.

Influence of the natural composition and structure of zinc blendes on their floatability
I. N. Plaksin, G. N. Khazhinskaya, and T. F. Brovkina. Izvest. Akad. Nauk U. S. S. R., Otel. Tekh. Nauk 1949, 1361-4.

In a previous report it was seen (cf. preceding abstr.) that in the case of flotation of zinc blendes there occurs a natural classification of them into those that are easily floated and those that are difficultly floated. The present report deals with the results of flotation tests made with zinc blend from 5 different deposits The minerals to be tested were ground to -100 mesh (40-50%, -200 mesh). On the basis of the expts. made it was concluded that O activates zinc blende, interacting with the Fe sulfide in it. Graphs are used to show (1) mineral recovery vs. length of time of oxygenation of a zinc blende to which $CuSO_4$ was added and (2) mineral recovery vs. length of time of oxygenation without addn. of $CuSO_4$. A table gives the results of analyses of the zinc blendes for Zn, Cu, Fe, Pb, and insol. residue & silica.

Gladys S. Macy

immediate source clipping

BROVKINA, T. F.

USSR/Engineering - Ore Dressing
Flotation

Mar 50

"Influence of the Granulometric Characteristic on the Floatability of Zinc Blende," I. N. Plaksin, G. N. Khazhinskaya, T. F. Brovkina, Inst of Mining, Acad Sci USSR, 4½ pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 3

Experiments have been conducted for flotation of finely crushed zinc pyritic ore. Modification of mineral fineness from -100 to -200 mesh has very slight effect on flotation of activated zinc blende, but considerably increases extraction into foam product of zinc blende which is not activated with copper sulfate. Further size decrease did not show any significant improvement of floatability. Experiments also demonstrated that lime does not supress zinc blende during flotation processing of very fine ore and even contributes to its flotation.

158T41

SOLECHNIK, N.Ya.; NOVOSEL'SKAYA, A.I.; BROVKINA, V.I.

Using sawdust for the production of fiberboard. Der. prom. 13 no.2:15 F '64. (MIRA 17:3)

BROVKINA, V.M.

Mikhail Fedorovich Ivanov. Nauka i zhizn' 22 no.12:55-57 D '55. (MLRA 9:2)
(Ivanov, Mikhail Fedorovich, 1871-1935)

BROVKINA, Valentina Mitrofanovna; MARKOV, N.G., redaktor; SAKHAROVA, N.V., tekhnicheskiy redaktor

[Askaniya-Nova; for students in secondary schools] Askaniia - nova; dlia uchashchikhsia sredney shkoly. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1956. 213 p. (MLRA 9:11)
(Askaniya-Nova Preserve)

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~~The~~ effectiveness of phosphorite meal for the fertilization of sugar beets in relation to the soil characteristics. E. A. Brovkina [illegible] II, [illegible] the degree to which phosphorite (I) can be [illegible] acidity of the soil and the [illegible] satn. of [illegible] constituents present. At a hydrolytic acidity of more than [illegible] mg. equiv. per 100 g. of soil, I produced a greater increase in the yield of sugar beets than did superphosphate (II). At a hydrolytic acidity of 2-[illegible] mg. equiv., the increases in yield produced by these 2 fertilizers were approx. the same. At a lower acidity, II produced the greater increase in yield. At a base satn. of black soil of 92-4[illegible]%, a beneficial effect of I could be observed; at greater satn., the effect was slight and uncertain. I can be substituted for II on [illegible] soils and on podzolized and exhausted black soils with good results. Expts. with slightly [illegible] black soils indicated that I was used for the replacement of the Na adsorbed on the soil, so that no pos. results were obtained on such soils.

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